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# HUGHES

## COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

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- ☐ Original  
☐ Continuation  
☐ Division  
☒ Continuation-in-part  
☐ Supplemental

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### OPTIMIZATION TECHNIQUE FOR LAYERED MODULATION

the specification of which

(check one) ☒ is attached hereto.

☒ was filed on October 24, 2003 as Application Serial No. 10/693,140.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

NONE  
Number

Country

Day/Month/Year Filed

Priority Claimed  
☐ Yes ☒ No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/844,401

27 APR 01

Pending

Application Serial No.

Filing Date

Status  
(patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

60/421,293

25 OCT 02

Application Serial No.

Filing Date


I hereby appoint the following attorneys, or agent and attorneys, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:


John A. Crook, Registration No. 30,830,  
Georgann S. Grunebach, Registration No. 33,179 and  
Michael W. Sales, Registration No. 30,213.

Address all telephone calls to John A. Crook, 303/712.5044.

Address all correspondence to **Customer Number 020991 (Hughes Electronics Corporation, Patent Docket Administration, Bldg. R11, M/S A109, PO Box 956, El Segundo, California 90245).**

I hereby declare that all statement made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR JOINT INVENTOR Weizheng Wang	INVENTOR'S SIGNATURE 	DATE 03/10/04
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DECLARATION  
Page 3 of 3  
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FULL NAME OF SOLE OR JOINT INVENTOR Joseph Santoru	INVENTOR'S SIGNATURE	DATE
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POST OFFICE ADDRESS 1430 Marianna Road, Pasadena, California 91105		



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POST OFFICE ADDRESS 1025 Via Cordova, San Pedro, California 90732		

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of

Los Angeles

SS.

On

March 4, 2004

Date

before me,

Darryl Claudius Brown

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared

Guangcai Zhou and Tung-Sheng Lin

Name(s) of Signer(s)

☐ personally known to me

☒ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Darryl Claudius Brown  
Signature of Notary Public

**OPTIONAL**

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Title or Type of Document:

Declaration/Power of Attorney

Document Date:

March 4, 2004

Number of Pages:

3

Signer(s) Other Than Named Above:

**Capacity(ies) Claimed by Signer**

Signer's Name: \_\_\_\_\_

☐ Individual

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Attorney-in-Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here